

**CLAIMS:**

5       1. A method of identifying agents that regulate the transcriptional activating activity of human AR or ER $\beta$ , comprising:

10       contacting a cell expressing human AR or human ER $\beta$ , and, human SLIM3, or biologically-active-derivatives thereof, with a test agent; and

15       determining whether said test agent regulates the transcriptional activating activity of human AR or human ER $\beta$

20       2. A method of claim 1, wherein said cell is a 293 cell or a yeast cell.

25       3. A method of claim 1, wherein said determining is measuring transcription of a gene activated by human AR or human ERB.

30       4. A method of claim 1, wherein said human AR or human ERB is a chimeric protein comprising a GAL4 binding domain and SLIM3 is a chimeric protein comprising a GAL4 activator domain.

35       5. A method of claim 4, wherein said cell is a yeast cell comprising a  $\beta$ -galactosidase reporter gene.

40       6. A method of claim 5, where said yeast cell is *Saccharomyces cerevisiae*.

7. A method of claim 4, wherein said determining is measuring  $\beta$ -galactosidase activity.

5 8. A method of claim 5, wherein said determining is measuring B-galactosidase activity.

9. A method of claim 1, where said agent is an antagonist or an agonist.

10. A method of identifying agents that regulate the binding between SLIM3 and human AR or ER $\beta$ , comprising:

contacting a sample comprising human SLIM3 and human AR or human ER $\beta$ , or biologically-active derivatives thereof, with a test agent; and

15 determining whether said test agent regulates the binding between said SLIM3 and said human AR or human ER $\beta$ .

11. A method of claim 9, where said SLIM3 is a chimeric protein comprising GST.

20 12. A composition comprising isolated human SLIM3 and isolated human AR or ER $\beta$ .